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# ABBREVIATIONS AND SYMBOLS

| | |
|---|---|
| Å. | Angstrom unit(s) = $1 \times 10^{-10}$ m. |
| A.C. | air-cooled; alternating current |
| A.H. | air-hardened |
| amp. | ampère(s) |
| amp.hr. | ampère-hour(s) |
| approx. | approximately |
| at.-% | atomic per cent |
| at.wt. | atomic weight |
| atm. | atmosphere(s) (pressure) |
| A.W.G. | American wire-gauge |
| ° Bé. | Baumé (degree) |
| b.h.p. | brake horse-power |
| B. & S. | Brown and Sharpe (gauge) |
| B.o.T. | Board of Trade |
| b.p. | boiling point |
| B.T.U. | Board of Trade unit(s) |
| B.Th.U. | British thermal unit(s) |
| B.W.G. | Birmingham wire-gauge |
| ° C. | centigrade; Celsius (degree) |
| cal. | calorie(s) |
| c.c. | cubic centimetre(s) |
| c.d. | current density |
| c.g.s. | centimetre-gramme-second unit(s) |
| cm. | centimetre(s) |
| coeff. | coefficient(s) |
| conc. | concentrated |
| const. | constant(s) |
| cu. | cubic |
| cwt. | hundredweight(s) |
| D.C. | direct current |
| dia. | diameter |
| dil. | dilute |
| dm. | decimetre(s) |
| e.m.f. | electromotive force |
| e.v. | electron volt(s) |
| ° F. | Fahrenheit (degree) |
| ft. | foot, feet |
| ft.lb. | foot-pound(s) |
| g. | gramme(s) |
| gal. | gallon(s) |
| H.F. | high-frequency |
| h.p. | horse-power |
| h.p.hr. | horse-power-hour(s) |
| hr. | hour(s) |
| in. | inch(es) |
| in.lb. | inch-pound(s) |
| I.S.W.G. | Imperial standard wire-gauge |
| ° K. | absolute temperature (Kelvin scale) |
| kg. | kilogramme(s) |
| kg.cal. | kilogramme-calorie(s) |
| kg.m. | kilogramme-metre(s) |
| km. | kilometre(s) |
| kV. | kilovolt(s) |
| kVA. | kilovolt-ampère(s) |
| kW. | kilowatt(s) |
| kWh. | kilowatt-hour(s) |
| kX. | crystal Ångstrom(s) = 1000 Siegbahn X-units |
| l. | litre(s) |
| lb. | pound(s) |
| L.F. | low-frequency |
| *M* | molar (solution) |
| m. | metre(s) |
| m.amp. | milliampère(s) |
| max. | maximum |
| mg. | milligramme(s) |
| min. | minimum; minute(s) |
| ml. | millilitre(s) |
| mm. | millimetre(s) |
| m.m.f. | magnetomotive force |
| m.p. | melting point |
| mV. | millivolt(s) |
| mμ | millimicron = $1 \times 10^{-9}$ m. = 10 Å. |
| *N* | normal (solution) |
| N.T.P. | normal temperature and pressure |
| O.H. | open-hearth; oil-hardened |
| O.Q. | oil-quenched |
| oz. | ounce(s) |
| p.d. | potential difference |
| *p*H | hydrogen-ion concentration |
| p.p.m. | parts per million |
| r.p.m. | revolutions per minute |
| sec. | second(s) |
| sp.gr. | specific gravity |
| sq. | square |
| S.W.G. | standard wire-gauge |
| T. | tempered |
| temp. | temperature |
| V. | volt(s) |
| VA. | volt-ampère(s) |
| W. | watt(s) |
| Wh. | watt-hour(s) |
| W.G. | water-gauge |
| W.Q. | water-quenched |
| wt. | weight |
| wt.-% | weight per cent |
| yd. | yard(s) |
| μ | micron(s) = $1 \times 10^{-6}$ m. |
| μg. | microgramme(s) = $1 \times 10^{-6}$ g. |
| μμ | 1 millionth micron = $1 \times 10^{-12}$ m. = 0·01 Å. |
| Ω | ohm(s) |
| ° | degree (arc or temperature) |
| ′ | minute of arc; foot (feet) |
| ″ | second of arc; inch(es) |
| $<$ | less than |
| $>$ | greater than |
| $\not<$ | not less than |
| $\not>$ | not greater than |
| $\leqslant$ | equal to or less than |
| $\geqslant$ | equal to or greater than |
| $\neq$ | not equal to |
| $\equiv$ | identically equal to |
| $\simeq$ | approximately equal to |
| $\propto$ | proportional to |

Unless otherwise stated above, the symbols given in the following British Standards are used in the *Journal*: Chemical, Thermodynamical, and Physico-chemical quantities: B.S. 813; Engineering units: B.S. 560.